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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Jennifer L. Harris, et al.

Continuation of Application
No.: 09/866,132

Filed: May 25, 2001

For: PROFILING OF PROTEASE
SPECIFICITY USING
COMBINATORIAL FLUOROGENIC
SUBSTRATE LIBRARIES

Examiner: Leary, Louise N.

Art Unit: 1654

**INFORMATION DISCLOSURE
STATEMENT UNDER 37 CFR §1.97 and
§1.98**

Mail Stop: Patent Application
Commissioner for Patents
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Alexandria, VA 22313-1450

Sir:

The references cited on attached form PTO/SB/08A and PTO/SB/08B are being called to the attention of the Examiner. In accordance with 37 CFR §1.98(d), copies of the references can be found in Application No. 09/866,132, filed May 25, 2003 (Attorney Docket No. 18062G-003210US). It is respectfully requested that the cited references be expressly considered during the prosecution of this application, and the references be made of record therein and appear among the "references cited" on any patent to issue therefrom.

As provided for by 37 CFR 1.97(g) and (h), no inference should be made that the information and references cited are prior art merely because they are in this statement and no

representation is being made that a search has been conducted or that this statement encompasses all the possible relevant information.

Applicant believes that no fee is required for submission of this statement. However, if a fee is required, the Commissioner is authorized to deduct such fee from the undersigned's Deposit Account No. 20-1430. Please deduct any additional fees from, or credit any overpayment to, the above-noted Deposit Account.

Respectfully submitted,

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60005848 v1

Substitute for form 1449/PTO

INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

(use as many sheets as necessary)

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of

Complete if Known

Application Number	Continuation of 09/866,132
Filing Date	May 25, 2001
First Named Inventor	Harris, Jennifer L., et. al.
Art Unit	1654
Examiner Name	Leary, Louise N.
Attorney Docket Number	18062G-003211US

U.S. PATENT DOCUMENTS

Examiner	Cite No. ¹	Document Number Number Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	AA	US 4,335,204	06-15-1982	Claeson, et al.	
	AB	US 4,448,715	05-15-1984	Ryan, et al.	
	AC	US 4,557,862	12-10-1985	Mangel, et al.	
	AD	US 4,568,636	02-04-1986	Svendsen, Lars G.	
	AE	US 4,640,893	02-03-1987	Mangel, et al.	
	AF	US 4,897,444 A	01-30-1990	Brynes, et al.	
	AG	US 5,079,144 A	01-07-1992	Carr, et al.	
	AH	US 5,089,634 A	02-18-1992	Powers, et al.	
	AI	US 5,872,207 A	02-16-1999	Morgan, et al.	
	AJ	US 5,342,970 A	08-30-1994	Chalom, et al.	
	AK	US 6,037,137	03-14-2000	Komoriya, et al.	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³	Number ⁴	Kind Code ⁵ (if known)			
AL	GB	2,324,529	A		Merck & Co Inc.		<input type="checkbox"/>
AM							<input type="checkbox"/>
AN							<input type="checkbox"/>
AO							<input type="checkbox"/>
AP							<input type="checkbox"/>
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BA							<input type="checkbox"/>
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Kind Codes of U.S. Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR

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Substitute for form 1449/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		Application Number	09/866,132
(use as many sheets as necessary)		Filing Date	May 25, 2001
Page	2	First Named Inventor	Harris, Jennifer L., et. al.
		Art Unit	1654
		Examiner Name	Leary, Louise N.
		Attorney Docket Number	18062G-003210US

NON PATENT LITERATURE DOCUMENTS				
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.		T ²
	BC	Adamczyk, et al. "Resin-Supported Labeling Reagents" <i>Bioorganic & Medicinal Chemistry Letters</i> (1999) Vol. 9, pp. 217-220.		
	BD	Backes, et al. "An Alkanesulfonamide 'Safety-Catch' Linker for Solid-Phase Synthesis" <i>Journal of Organic Chemistry</i> (1999) Vol. 64, pp. 2322-2330.		
	BE	Backes, et al. "Synthesis of Positional-scanning Libraries of Fluorogenic Peptide Substates to Define the Extended Substrate Specificity of Plasmin and Thrombin" <i>Nature Biotechnology</i> (2000) Vol. 18, pp. 187-193.		
	BF	Del Nery, et al., "Characterization of the Substrate Specificity of the Major Cysteine Protease Cruzipain) from <i>Trypanosoma cruzi</i> Using a Portion-Mixing Combinatorial Library and Fluorogenic Peptides," <i>Biochemical Journal</i> , 323:427-433 (1997)		
	BG	Harris, et al. "Rapid and General Profiling of Protease Specificity by Using Combinatorial Fluorogenic Substrate Libraries" <i>Proceedings of the National Academy of Sciences</i> (2000) Vol. 97(14) pp. 7754-7759.		
	BH	Lee, D. et al. "A Substrate Cominatorial Array for Caspases" <i>Bioorganic and Medicinal Chemistry Letters</i> (1999) Vol. 9, pp. 1667-1672.		
	BI	Morita, et al. "New Fluorogenic Substrates for α -Thrombin, Factor Xa, Kallikreins, and Urokinase" <i>Journal of Biochemistry</i> (1977) Vol. 82(5), pp. 1495-1498.		
	BJ	Rano, et al. "A Combinatorial Approach for Determining Protease Specificities: Application to Interleukin-1 β Converting Enzyme (ICE)" <i>Chemistry and Biology</i> (1997) Vol. 4, 149-155		
	BK	Sawada, et al., "Substrate Specificity of Ascidian Sperm Trypsin-Like Proteases, Spermisin and Acrosin," <i>Molecular Reproduction and Development</i> , 45:240-243 (1996)		
	BL	Zimmerman, et al. "Sensitive Assays for Trypsin, Elastase, and Chymotrypsin Using New Fluorogenic Substrates" <i>Analytical Biochemistry</i> (1977) Vol. 78, pp. 47-51.		

Examiner Signature		Date Considered
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 120 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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